

KU10R29N

OUTLINE DIMENSIONS

Case : M2F

(Unit : mm)

RATINGS

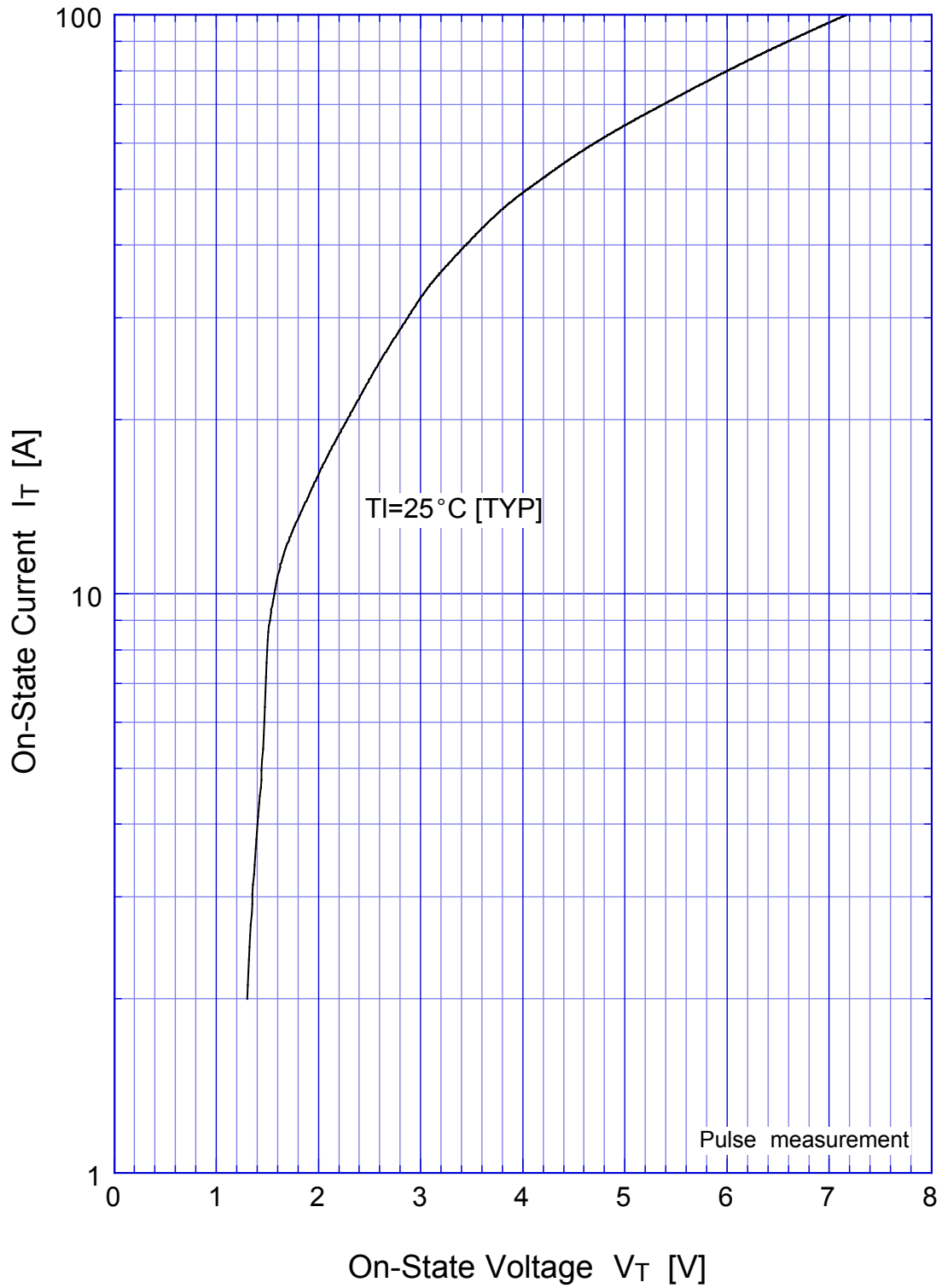
● Absolute Maximum Ratings

Item	Symbol	Conditions	Ratings	Unit
Storage Temperature	T_{stg}		-40~125	°C
Junction Temperature	T_j		125	°C
Operating Temperature	T_{op}		-40~70	°C
Maximum Off-State Voltage	V_{DRM}		250	V
Surge On-State Current	I_{TSM}	Pulse-waveform 10/1000 μ s, Non-repetitive	100	A

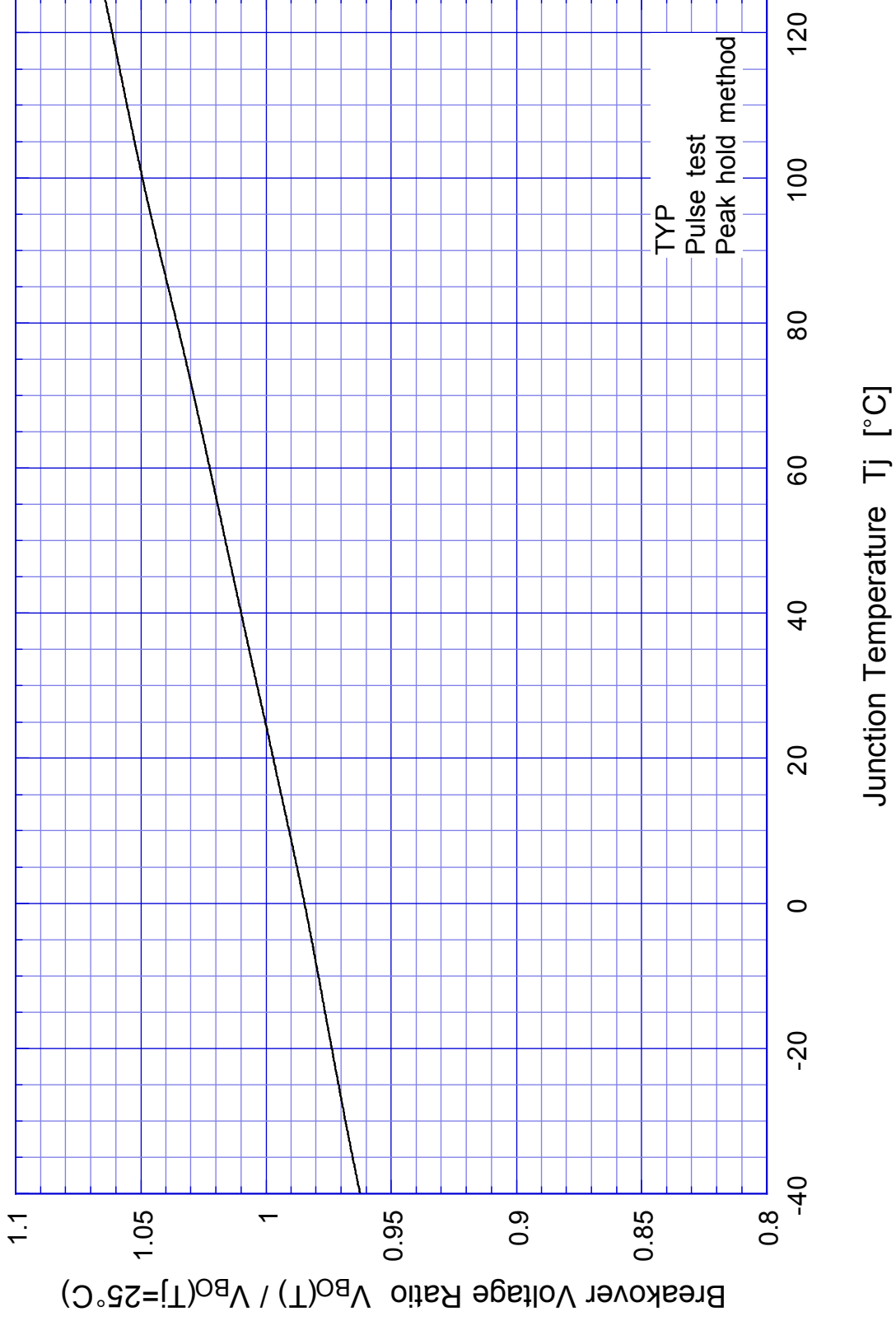
● Electrical Characteristics ($T_c=25^\circ\text{C}$)

Item	Symbol	Conditions	Ratings	Unit
Breakover Voltage	V_{BO}	$dv/dt = 8V/ms$ (Peak hold)	Min 275	V
Off-State Current	I_{DRM}	$V_D = V_{DRM}$	Max 5.0	μ A
Holding Current	I_H	Pulse measurement	Min 150(100)	mA
On-State Voltage	V_T	$I_T = 2A$	TYP 1.60	V
Junction Capacitance	C_j	$f = 1kHz$ OSC = 1V, DC = 50V	Max 90	pF

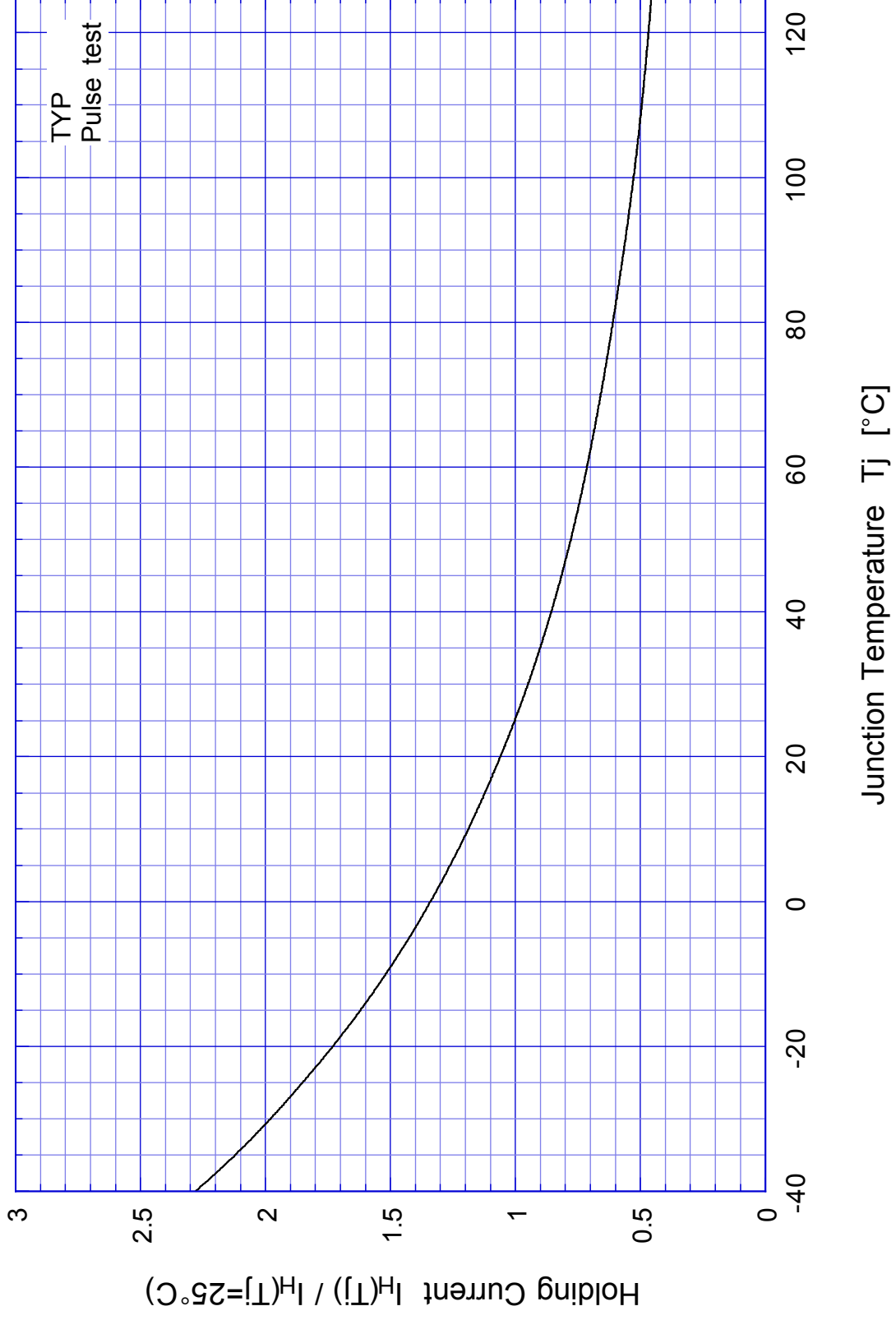
KU10R29N On-State Voltage - On-State Current



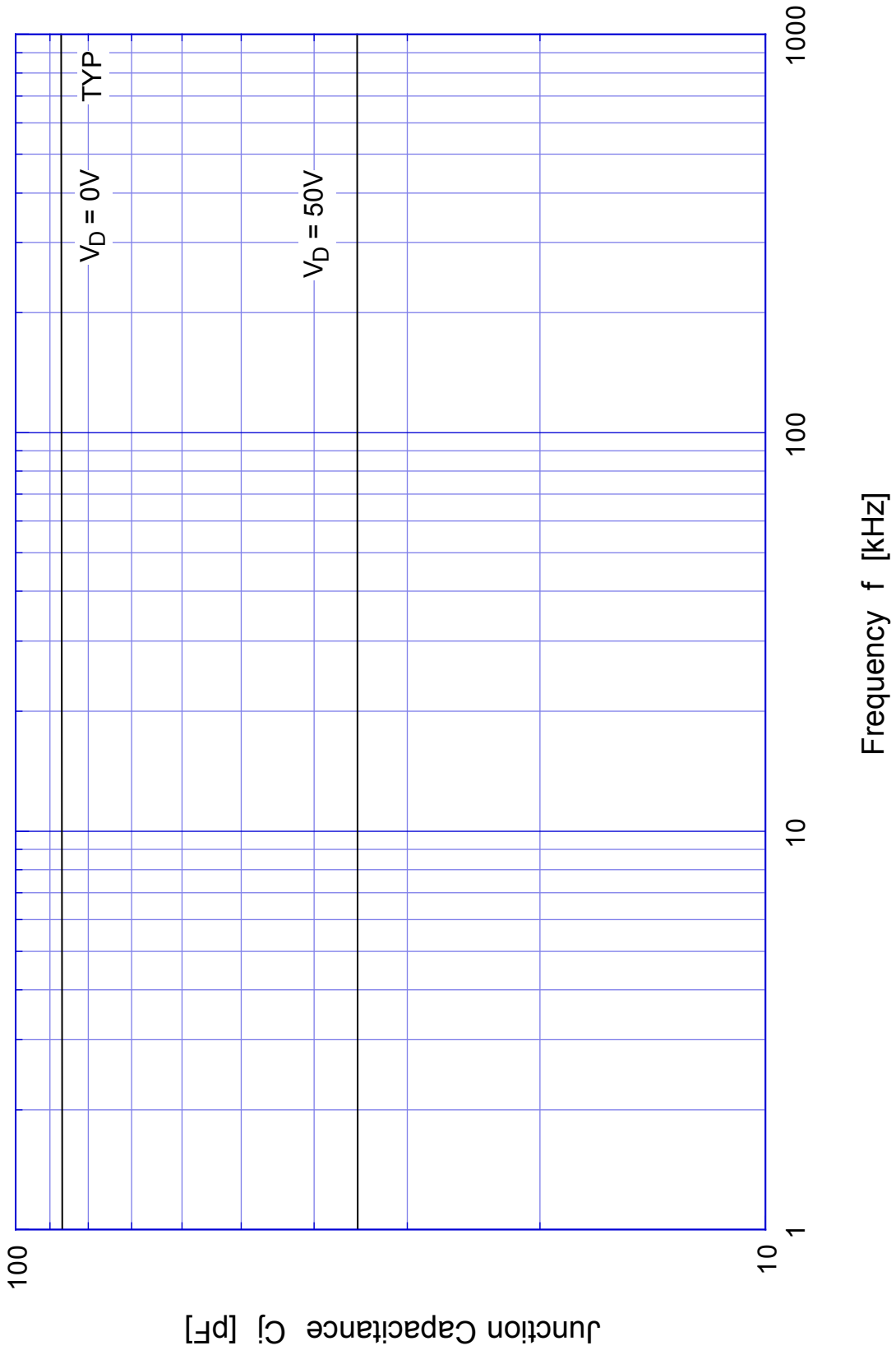
KU10R29N Breakover Voltage - Junction Temperature



KU10R29N Holding Current - Junction Temperature



KU10R29N Junction Capacitance



KU10R29N Junction Capacitance

